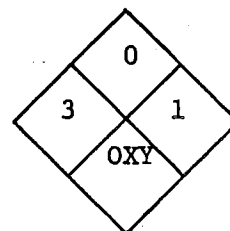


AMCHEM PRODUCTS, INC.  
Division of Henkel Corporation  
300 Brookside Avenue  
Ambler, PA 19002

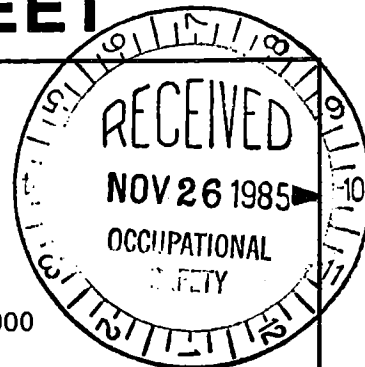


DPM 1453-1



# MATERIAL SAFETY DATA SHEET

PRODUCT TRADE NAME Alodine 1200S  
D.O.T. PROPER SHIPPING NAME Chromic Acid Mixture, Dry  
D.O.T. HAZARD CLASSIFICATION Oxidizer  
TECHNICAL CONTACT (NAME) J. A. Carroll  
TELEPHONE NUMBER (215) 628-1324  
EMERGENCY NUMBER (215) 628-1000



## 1 HAZARDOUS INGREDIENTS

MATERIAL	CAS NO.	CONTENT(% WT/WT)	HAZARD	TLV
Chromic Acid	1333-82-0	50-60	Oxidizer	0.05mg/M <sup>3</sup>
			Carcinogen, NTP	N/A
Sodium Fluoride	7681-49-4	5-10	Irritant	N/A
Potassium Fluozirconate	16923-95-8	5-10	Irritant	N/A
Potassium Fluoborate	14075-53-7	20-30	Irritant	N/A
Potassium Ferricyanide	13746-66-2	10-15	Irritant	N/A

## 2 PHYSICAL DATA

APPEARANCE	Orange Powder	SOLUBILITY IN WATER	Appreciable
ODOR	Slight Acid Odor	pH OF CONCENTRATE	
		@ 60° F	N/A
SPECIFIC GRAVITY		BOILING POINT °F	N/A
@ 60 F	N/A		
OTHER:	N/A		

## 3 FIRE AND EXPLOSION DATA

FLASH POINT	None	TEST METHOD	EXTINGUISHING MEDIA	Water
UNUSUAL FIRE OR EXPLOSION HAZARDS				
Do not allow the material to come in contact with organic materials such as sawdust, rags, paper, etc.				
SPECIAL FIRE FIGHTING PROCEDURES				
None				

## 4 REACTIVITY DATA

STABLE ☒

UNSTABLE ☐

(CONDITIONS TO AVOID)

### INCOMPATIBLE MATERIALS

Organic materials, strong acids, strong alkalis.

### HAZARDOUS POLYMERIZATION

WILL NOT OCCUR ☒

MAY OCCUR ☐

CONDITIONS TO AVOID

### HAZARDOUS DECOMPOSITION PRODUCTS

Hydrogen Cyanide. Addition of acids to this material or its solutions will generate highly toxic hydrogen cyanide fumes.

## 5 HEALTH HAZARD DATA

Skin	Will burn
Eyes	Will burn
Ingestion	Will burn mucous membranes
Inhalation	Chromic acid dusts can cause irritation and ulcers of the nasal septum.

## 6 FIRST AID RECOMMENDATIONS

Skin	Wash with soap and water and rinse thoroughly. Anyone who appears to suffer skin burns from this product should be seen by a doctor.
Eyes	Flush immediately with copious amounts of water for at least 15 minutes. Call a doctor.
Ingestion	Drink milk of magnesia, aluminum hydroxide gel, or limewater followed by several glasses of water. Call a doctor. Do not induce vomiting unless directed by a doctor.
Inhalation	Remove from contaminated area to fresh air. Any exposed person with any respiratory difficulty such as coughing, chest pain, breathing difficulty, dizziness, fatigue, etc., should be examined by a doctor and the doctor made aware of what materials the individual was exposed to.

## 7 SPILL PROCEDURES & WASTE DISPOSAL

### SPILL PROCEDURES

Transfer any excess to clean polyethylene container. Treat remaining residue with a dilute solution of sodium metabisulfite to reduce chrome. Neutralize with lime to pH 7-8.

### WASTE TREATMENT

Flush reduced and neutralized material to treatment plant with plenty of water and with approval of regulatory agency.

## 8 PERSONAL PROTECTION

### VENTILATION REQUIREMENTS

GENERAL AREA EXHAUST ☐

LOCAL EXHAUST ☒

NO EXHAUST NECESSARY ☐

### PERSONAL PROTECTIVE EQUIPMENT

EYE PROTECTION

Safety goggles

SKIN PROTECTION

Rubber gloves, rubber aprons

RESPIRATORY PROTECTION

Dust respirator-NIOSH approved

OTHER REQUIRED EQUIPMENT

N/A

## 9 SPECIAL PRECAUTIONS AND STORAGE

Store in a cool dry place away from organic materials such as solvents, rags, etc. Keep container closed and do not get on skin, in eyes, or breathe dust. Do not open container in an unventilated space.

PREPARED BY John A. Carroll

DATE 10/24/85

TITLE Manager, Technical Administration